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C 927 U.S. PTP
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09/29/00

Please type a plus sign (+) inside the box.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(only for new nonprovisional applications under 37 CFR 1.53(b))

CDS-226

First Named Inventor or Application Identifier

Thomas J. Cumins et al.

Express Mail Label No. EL190926813

C927 U.S. P.

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (*attached hereto in duplicate*)
2. Specification [Total Pages 91]
(Preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

3. Drawing(s) (35 USC 113) [Total Sheets 7]
4. Oath or Declaration
 - a. Newly executed (original or copy)
 - b. Unexecuted original
 - c. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional check boxes 5 and 6)
 - i. Deletion of Inventor(s)
Signed statement attached deleting
inventor(s) named in the prior application
see 37 CFR 1.63(d)(2) and 1.33(b).

5. Incorporation by Reference
(useable if Box 4c is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4c, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

16. If a CONTINUING APPLICATION, *check appropriate*
Amend the specification by inserting before the first
 Continuation-in-Part (CIP) of prior application
17. For this divisional application, please **cancel original C**
calculating the filing fee.

6. Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. Computer Readable Copy

b. Paper Copy (identical to computer copy)

c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))

9. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of Attorney

10. English Translation Document *(if applicable)*

11. Information Disclosure Statement
(IDS)/PTO-1449 Copies of IDS Citations

12. Preliminary Amendment

13. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

15. Other: Express Mail Certificate
EL190926813US

16. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:
Amend the specification by inserting before the first line: -- This is a Continuation Divisional
 Continuation-in-Part (CIP) of prior application No.: 08/062,023, filed May 14, 1993. --

17. For this divisional application, please cancel original Claims 15-27 & 33, and add new claims 34, 35 & 36 before calculating the filing fee.

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

or Correspondence Address below

Name: Philip S. Johnson, Esq.

Address: Johnson & Johnson

Address: One Johnson & Johnson Plaza

New Brunswick, NJ 08933-7003 USA

19. TELEPHONE CONTACT

Please direct all telephone calls or telefaxes to Catherine Kurtz Gowen at:

Telephone: (732) 524-2681 Fax: (732) 524-2808

19. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

NAME Catherine Kurtz Gowen

Reg. No. 32.148

SIGNATURE

Catherine Kurtz Gowen
September 29, 2000

SIGN
DATE

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Applicant: Thomas J. Cumins et al.

For : DIAGNOSTIC COMPOSITIONS, ELEMENTS, METHODS AND TEST KITS FOR AMPLIFICATION AND DETECTION OF TWO OR MORE DNA'S USING PRIMERS HAVING MATCHED MELTING TEMPERATURES

Express Mail Certificate

"Express Mail" mailing number: EL190926813US

Date of Deposit: September 29, 2000

I hereby certify that this complete divisional application, including combined declaration and power of attorney, specification pages, claims, and informal drawings, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Alwin Haywood

(Typed or printed name of person mailing paper or fee)


(Signature of person mailing paper or fee)

USPTO
09/26/00

| | | | |
|------------------------|--|--------------------------|-------------------------|
| FEE TRANSMITTAL | | <i>Complete if Known</i> | |
| | | Application Number | |
| | | Filing Date | September 29, 2000 |
| | | First Named Inventor | Thomas J. Cumins et al. |
| | | Group Art Unit | |
| | | Examiner Name | |
| | | Attorney Docket Number | CDS-226 |

FEE CALCULATION

CLAIMS AS FILED

| (1) | (2) | (3) | (4) | (5) |
|---------------------------|-------------------------------------|--------------|------------|--------------------|
| FOR: | NUMBER FILED | NUMBER EXTRA | RATE | BASIC FEE \$760.00 |
| TOTAL CLAIMS | 22 - 20 = | 2 | x 18.00 | \$ 36.00 |
| INDEPENDENT CLAIMS | 7 - 3 = | 4 | x 78.00 | \$ 312.00 |
| MULTIPLE DEPENDENT CLAIMS | <input checked="" type="checkbox"/> | N/A | \$260.00 | \$260.00 |
| | | | TOTAL FEES | \$1,368.00 |

METHOD OF PAYMENT

- Please charge Deposit Account No. 10-0750/CDS-226/CG in the amount of \$1,368.00.
 Three copies of this sheet are enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the filing of this communication, or credit any overpayment, to Account No. 10-0750/CDS-226/CG. Three copies of this sheet are enclosed.

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| SUBMITTED BY: | | <i>Complete (if applicable)</i> | |
| Typed or Printed Name | Catherine Kurtz Gowen | Reg. No. 32,148 | |
| Signature | <i>Catherine K Gowen</i> | Date: September 29, 2000 | Deposit Account No. 10-0750 |